Medtronic

SMALL PATIENTS.
BIG DECISIONS.
CONFIDENCE IN DELIVERY.

Pulse oximetry can help you guide interventions in Labour & Delivery — or frustrate your efforts to respond effectively. The difference depends on the technology and its ability to post timely and accurate information in real-world conditions.
See how Nellcor™ pulse oximetry with Oximax™ technology meets five key challenges in the delivery room.

FASTER, ACCURATE READINGS WITH A CARDIAC-BASED TECHNOLOGY.
ALL FROM THE HEART.

Challenge 1

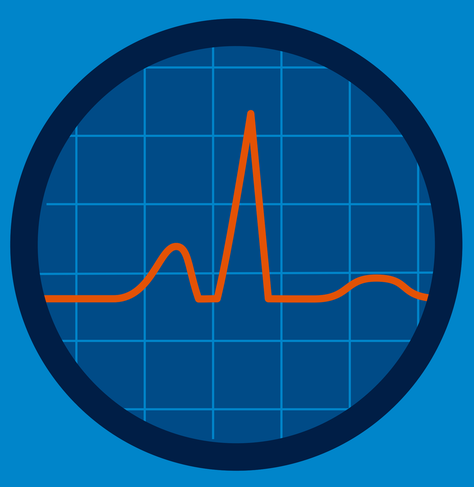
Speed to post

Seconds count in neonatal care decisions.[1] Don't lose them waiting for an accurate vital signs reading.

Up to 6 seconds faster
to post heart rate

A Medtronic analysis of studies by Saraswat[2] and O'Donnell[3] shows that Nellcor™ pulse oximetry posted data several seconds faster than other, similar pulse oximeters.

Challenge 2



Accurate pulse rates

Inaccurate pulse rate readings may guide clinicians to inappropriate or unnecessary interventions.[4]

No deviation
from ECG readings

Nellcor™ pulse oximetry showed no clinically significant difference from ECG reference.[4]

Challenge 3

Motion

Neonate motion can cause irregular venous blood flow that affects accurate monitoring.[4]

95%+ specificity
in measurements[5]

Nellcor™ pulse oximetry was the first motion tolerant technology to comply with ISO 80601-2-61.3.[5]

Challenge 4

Poor perfusion

Saturation rates as low as 66% in the first minutes of life may make neonates difficult to assess.[4,6]

60% SpO_2
+/-3% accuracy[7]

Nellcor™ pulse oximetry has demonstrated best-in-class accuracy at saturation rates as low as 60%.[7]

Challenge 5

Skin sensitivity

Monitoring may be unavoidable, even though attaching a sensor may pose a risk to the fragile skin of a newborn.[8]

No adhesives

Nellcor™ non-adhesive sensors use the patients' own skin moisture to secure sensor, while comparable in accuracy to adhesive sensors.[9]

Guide gentle, minimally invasive care for your most fragile patients. See how Nellcor™ pulse oximetry can support your clinical decisions.

Visit medtronic.ca/rms

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8. Widiati E, Nurhaeni N, Gayatri D. Medical-device related pressure injuries to children in the Intensive Care Unit. Compr Child Adolesc Nurs. 2017;40(sup1):69-77. doi: 10.1080/24694193.2017.1386973.
9. Medtronic. Nellcor™ Non-adhesive Sensors Brochure. 2018.

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